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journal or publication title	Bulletin of the Toyama Science Museum
number	12
page range	29-32
year	1988-10-31
URL	<a href="http://repo.tsm.toyama.toyama.jp/?action=repository_uri&amp;item_id=554">http://repo.tsm.toyama.toyama.jp/?action=repository_uri&amp;item_id=554</a>

**Description of *Paridotea munda* sp. nov. (Isopoda, Idoteidae)  
in Central Japan\***

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ヘラムシ科 (甲殻類、等脚目) の一新種、*Paridotea munda* の記載

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千葉県小湊湾から発見されたヘラムシ科等脚目を新種 *Paridotea munda* (和名：キンダチヘラムシ) として記載した。本種は従来富山湾から知られているモノノフヘラムシ *Paridotea robusta* と類似点が多く、近縁な種と考えられるが、(1) 体型がより細いこと、(2) 胸節基板が顕著でないこと、(3) オスの第二腹肢の交尾針が短いこと、(4) 第一小顎外枝先端の歯が長いこと等によって区別される。

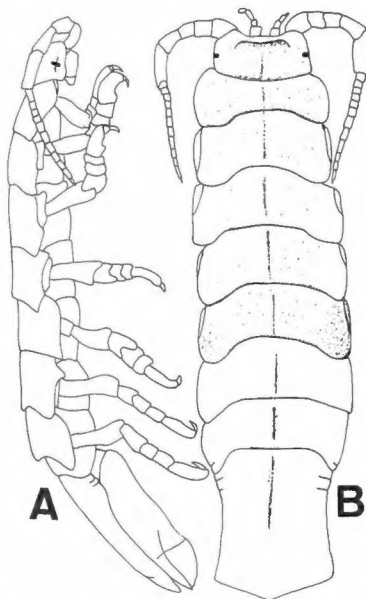
***Paridotea munda* sp. nov.**

(Jap. name : Kindachi-heramushi, new)

Figs. 1-3

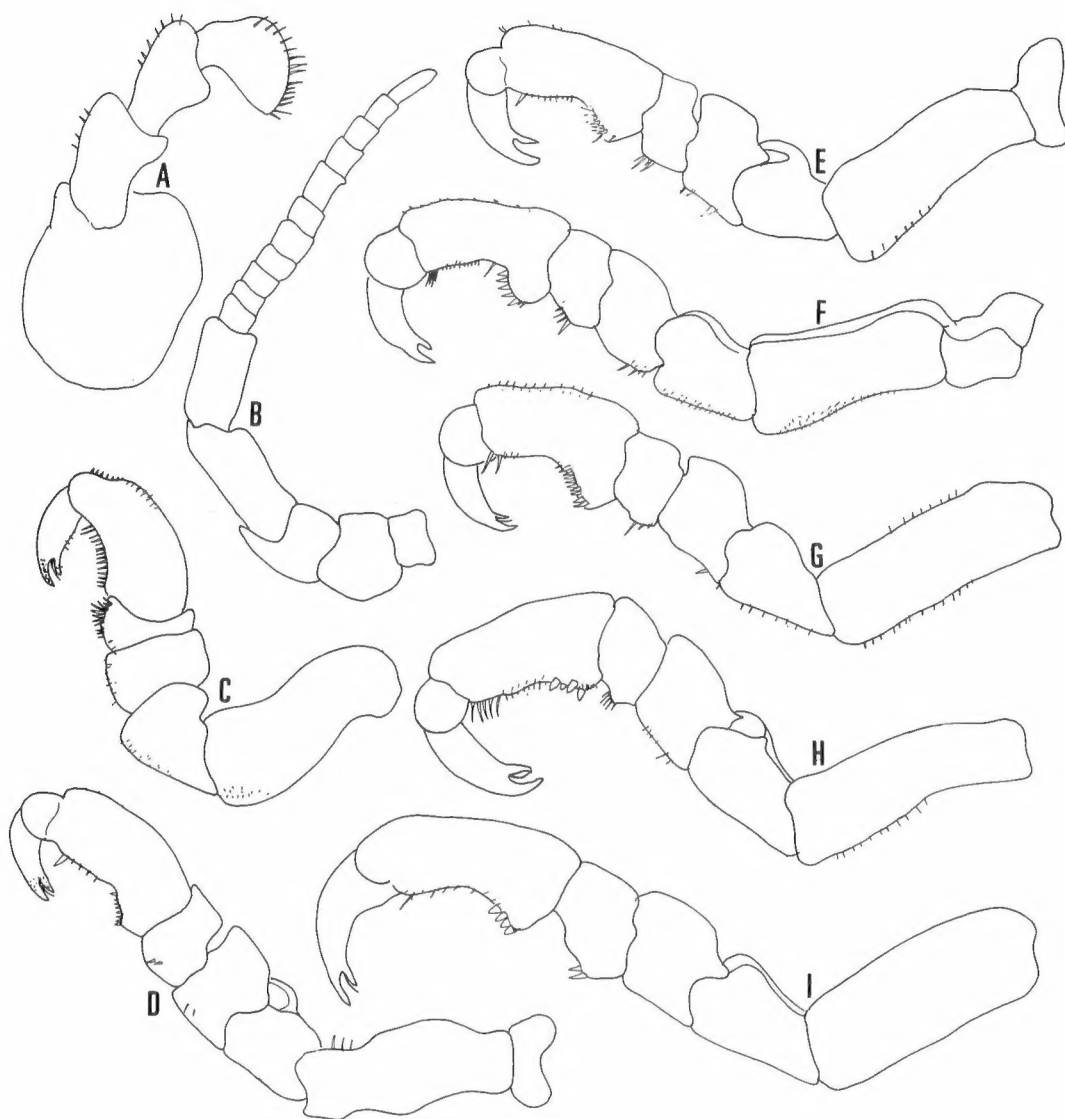
*Material examined* : 1 ♂ (holotype, 48.0 mm in body length), attached to a colony of red algae, *Chondrus verrucosa*, intertidal zone, Kominato, Amatsukominato machi, Awa gun, Chiba ken, coll. Ikuo Hayasi, Feb. 11, 1984 ; 1 ♂ (paratype, 24.3mm in body length), Ôarai, Ôarai machi, Higashiibaragi gun, Ibaragi ken, coll. Hisao Inoue, June, 29, 1985. Type series is deposited at the Toyama Science Museum : holotype (TOYA Cr-7606) and a paratype (TOYA Cr-7607).

*Description* : Body flattened but elongated, 3.7 times as long as wide. Color pale yellow in alcohol. Cephalon rectangular ; anterior margin straight ; posterior margin slightly convex. Each pereonal somite subequal in length. Each pereonal somite hardly emarginated ; coxal plates of pereonal somites 2~6 remarkable.



**Fig. 1** *Paridotea munda* sp. nov.  
A. Lateral view ; B. Dorsal view.  
(All : holotypoe male).

\* Contributions from the Toyama Science Museum, No. 77



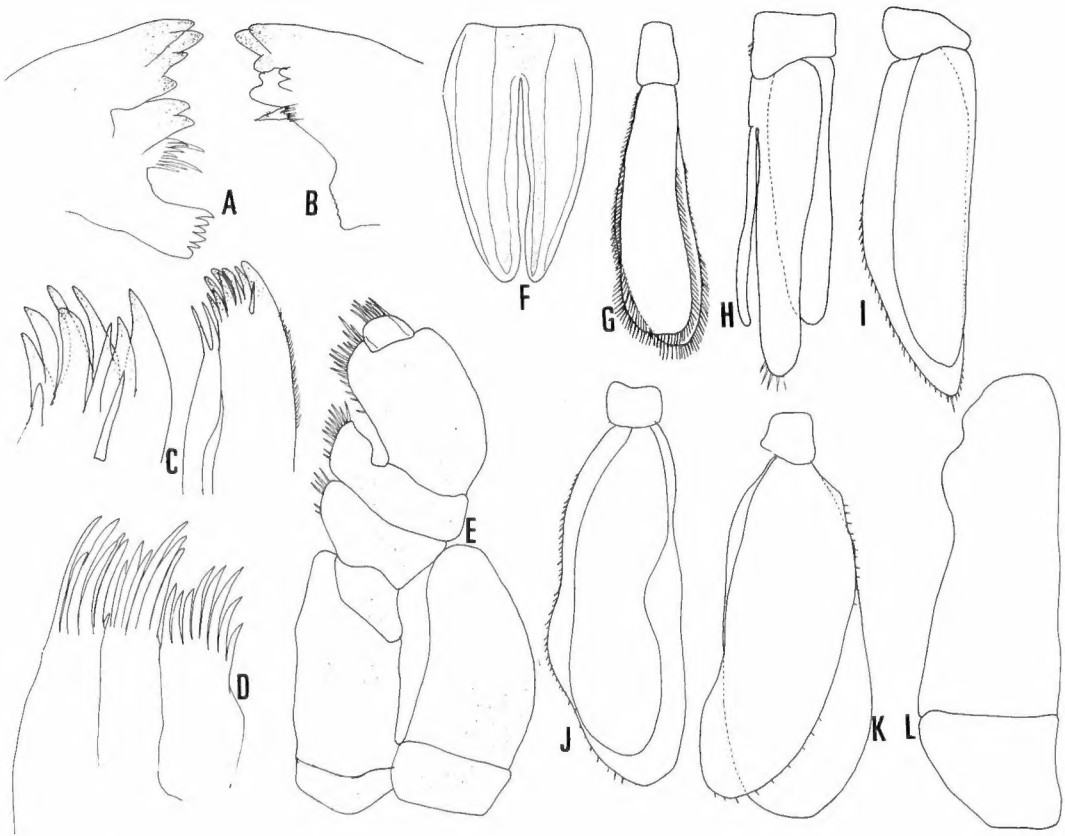
**Fig. 2** *Paridotea munda* sp. nov.

A. Antennule ; B. Antenna ; C-I. Pereopods 1-7. (All : holotype male).

Pleotelson rectangular with triangular distal part with a complete and 2 in complete suture lines. Eyes rather small and longitudinally oblong and situated laterally ; each eye composed of about 60 ommatidia.

Antennule (Fig. 2 A) 4-segmented ; 1st segment big and round ; 2nd and 3rd segments rectangular ; terminal segment petal-shaped with a series of 15 setae.

Antenna (Fig. 2 B), reaching the anterior margin of 3rd pereonal somite, peduncle



**Fig. 3** *Paridotea munda* sp. nov.

A. Left mandible ; B. Right mandible ; C. Maxillule ; D. Maxilla ; E. Maxilliped ; F. Penis ; H-K. Pleopods 1-5 ; L. Uropod. (All : holotype male).

5-segmented ; flagellum 11-segmented.

Left mandible (Fig. 3 A) ; pars incisiva 4-toothed ; lacinia mobilis not chitinized and 2-toothed ; about 8 setae behind lacinia mobilis ; processus molaris normal.

Right mandible (Fig. 3 B) ; processus molaris 2-toothed ; lacinia mobilis 2-toothed ; a group of setae behind lacinia mobilis ; processus molaris normal.

Maxillule (Fig. 3 C) ; outer lobe with 10 teeth ; inner lobe with 2 plumose setae.

Maxilla (Fig. 3 D) narrow ; outer lobe subequal in length, each ramus with 6 plumose setae on inner lobe with 8 setae.

Maxilliped (Fig. 3 E) ; epipodite narrow ; endite small. Palp big and 5-segmented ; 1st segment small ; 2nd segment trapezoidal ; 3rd segment short with a lobe ; 4th segment biggest and rectangular ; 5th segment small and semicircular.

Pereopod 1 (Fig. 2 C) ; basis rectangular ; ischium triangular ; merus short ; carpus short ; propodus rectangular.

Pereopods 2~7 (Fig. 2 D-I); basis oblong; ischium rectangular; merus and carpus almost square; propodus rectangular with big protrusions at inner basal part.

Penes (Fig. 3 F) paired and rather short.

Pleopod 1 (Fig. 3 G); both rami subequal and narrow.

Pleopod 2 in male (Fig. 3 H); endopod long with 5 setae at the apical margin, stylus rather short and 60% as long as endopod; exopod shorter than endopod.

Pleopods 3~5 (Fig. 3) not characteristic.

Uropod (Fig. 3 L) big, basal segment rectangular, terminal segment trapezoidal.

*Remarks* : The present new species is very closely allied to *Paridotea roubusta* NUNOMURA reported from Takaoka, Toyama Bay. But the former is separated from the latter in the following features : (1) slenderer body shape, (2) less prominent protrusions of pereonal somites, (3) shorter stylus on the endopod of male 2nd pleopod and (4) longer teeth on the outer lobe of maxilla.

### References

- Kensley, B., 1978. Guide to the Marine Isopods of Southern Africa. Cape Town : South African Museum.
- Nunomura, N., 1985. Marine Isopod Crustaceans in the Coast of Toyama Bay Mem. Natn. Sci. Mus., Tokyo 18 : 121-139.